

M 5.6, 152 km S of Laojunmiao, China

Origin Time: 2022-01-23 02:21:19 UTC (Sun 08:21:19 local)  
Location: 38.4843° N 97.3967° E Depth: 10.0 km

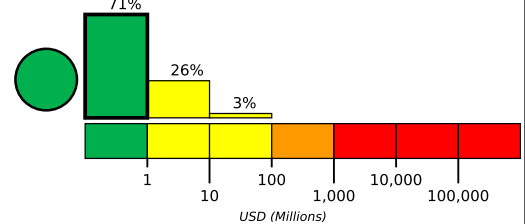
PAGER Version 4

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

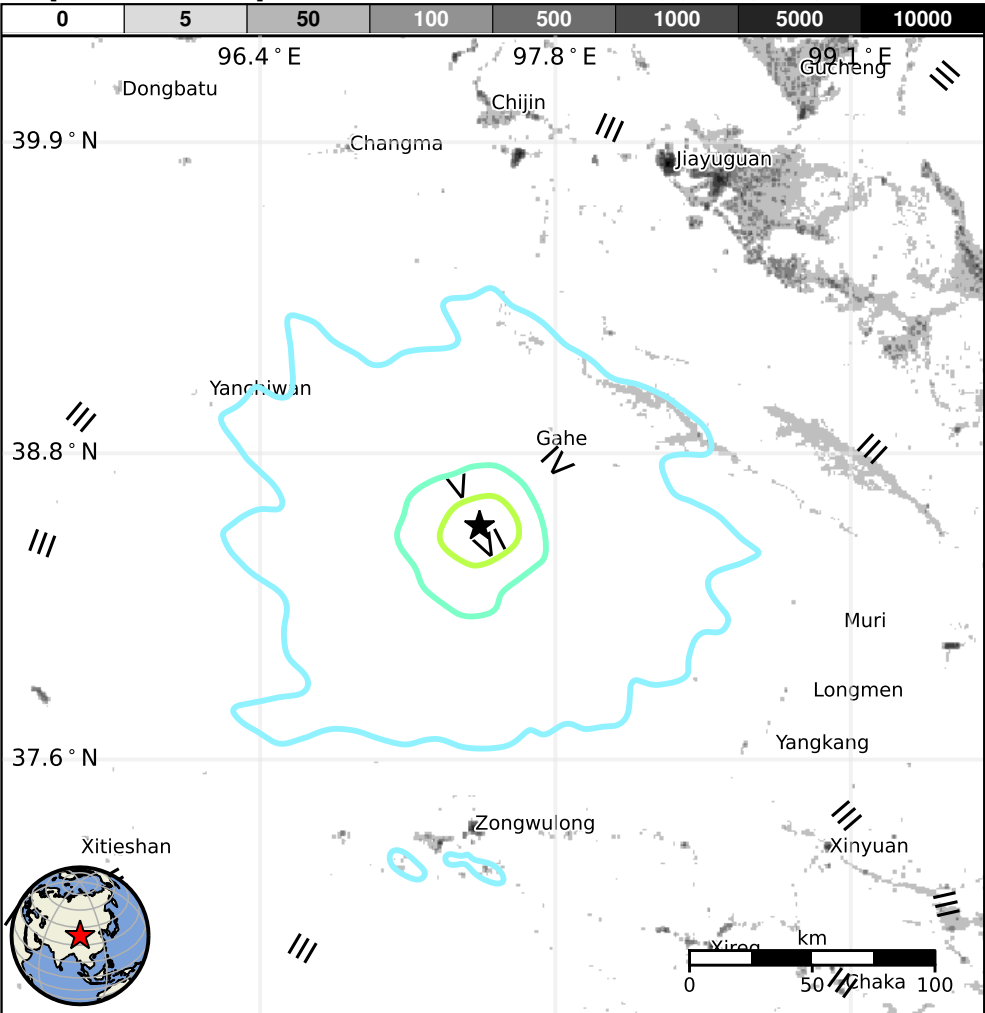


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,205k*	83k	1k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-12-14	141	5.5	VI(102k)	2
2003-10-25	311	5.8	VIII(6k)	9
1990-04-26	370	6.2	IX(6k)	119

Selected City Exposure

MMI	City	Population
IV	Gahe	<1k
IV	Xuji	<1k
IV	Keluke	<1k
IV	Qiqing	<1k
III	Yanglong	<1k
III	Delingha	<1k
III	Hoit Taria	<1k
III	Zongwulong	<1k
III	Jiayuguan	122k
III	Jiuquan	73k
III	Laojunmiao	85k